

NC Drought Management Advisory Council - Annual Meeting

Barrett Smith

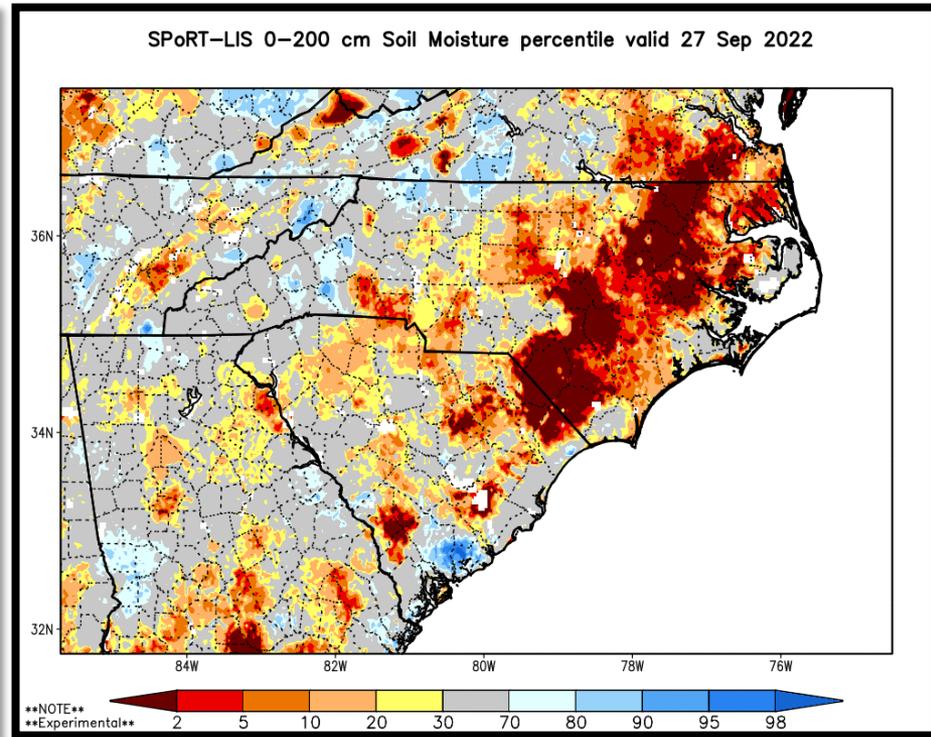
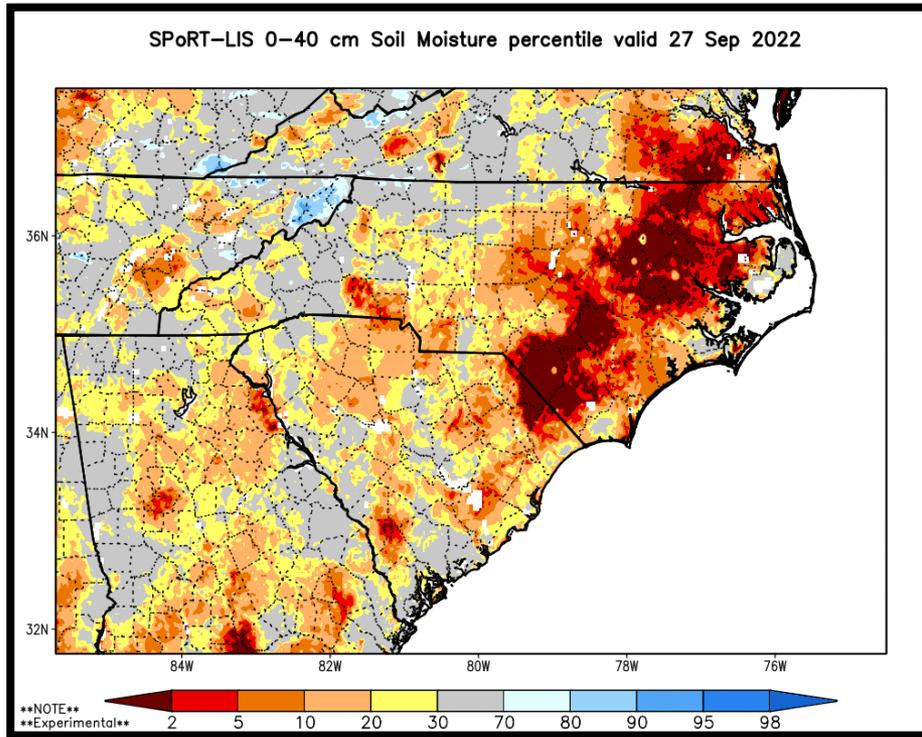
National Weather Service - Raleigh, NC

September 27, 2022

NASA SPoRT LIS Soil Moisture

0-40cm Percentile

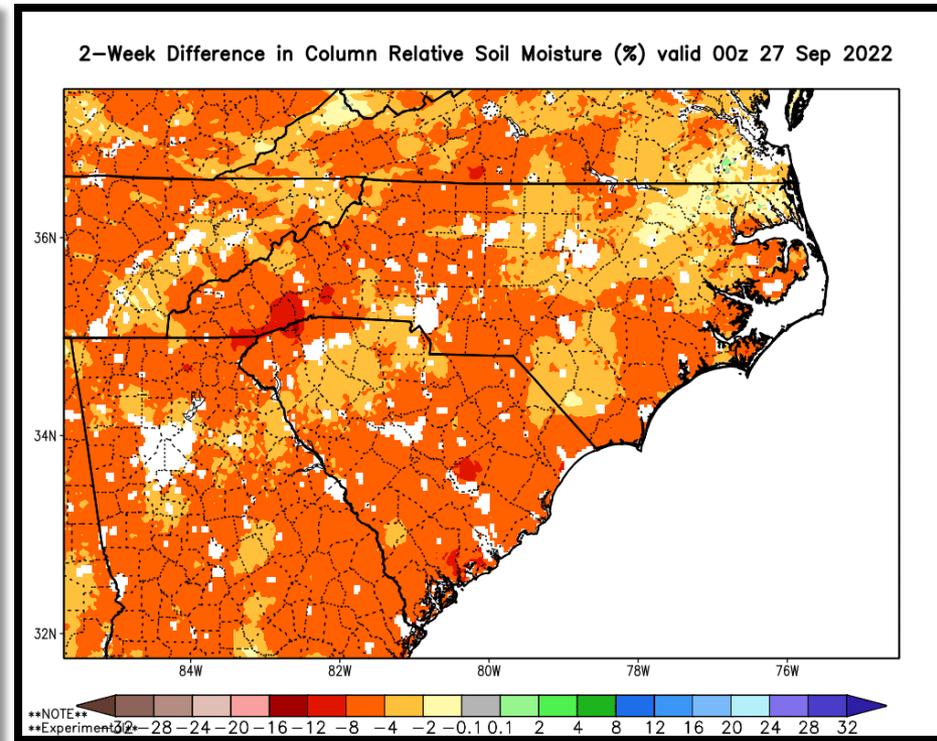
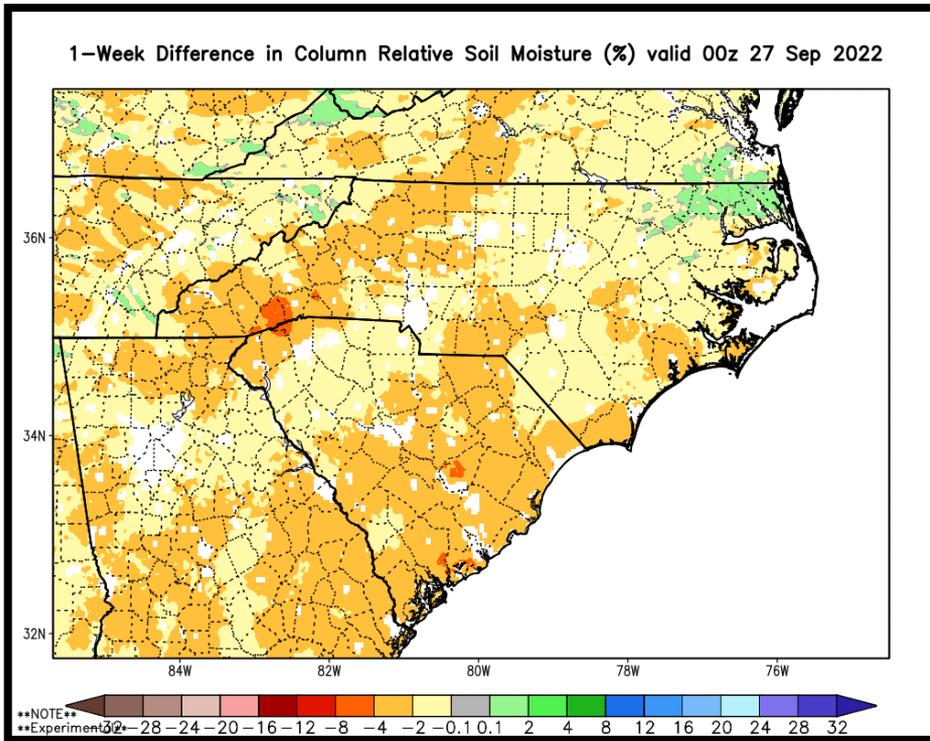
0-200cm Percentile



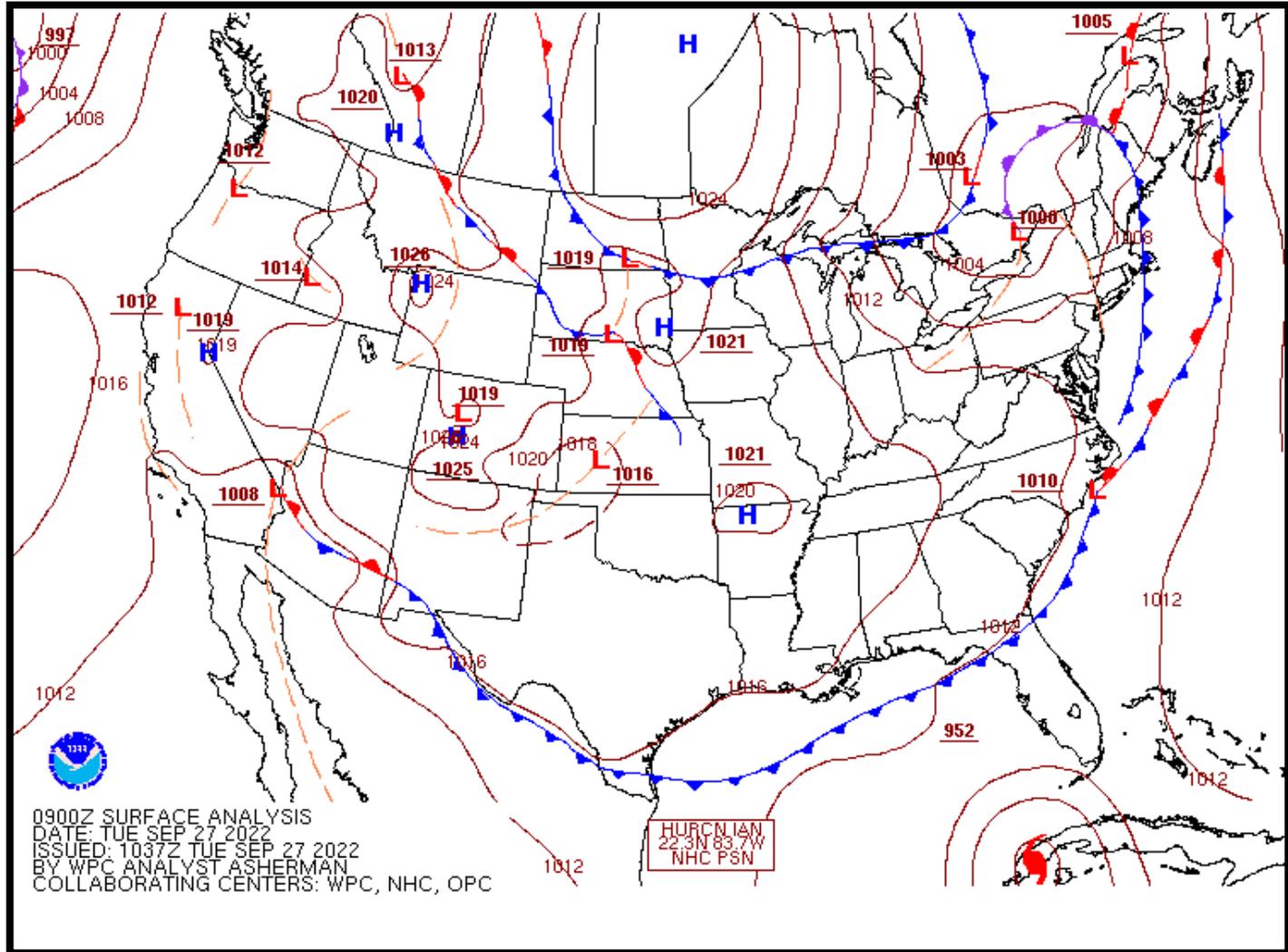
NASA SPoRT LIS Soil Moisture

One-week Change

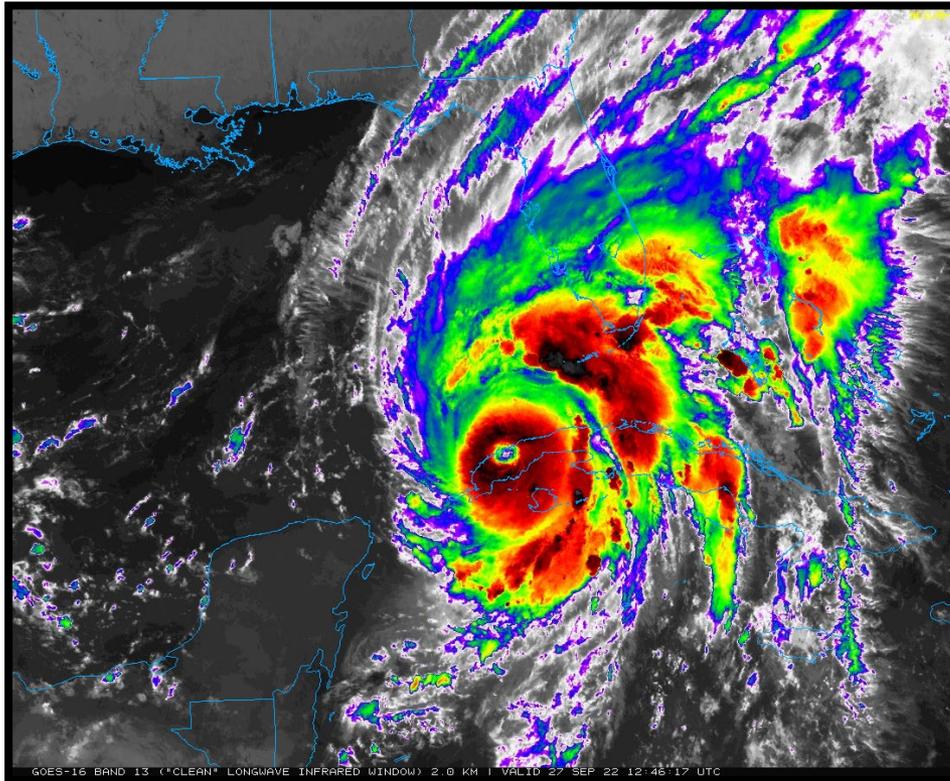
Two-week Change



Current Weather



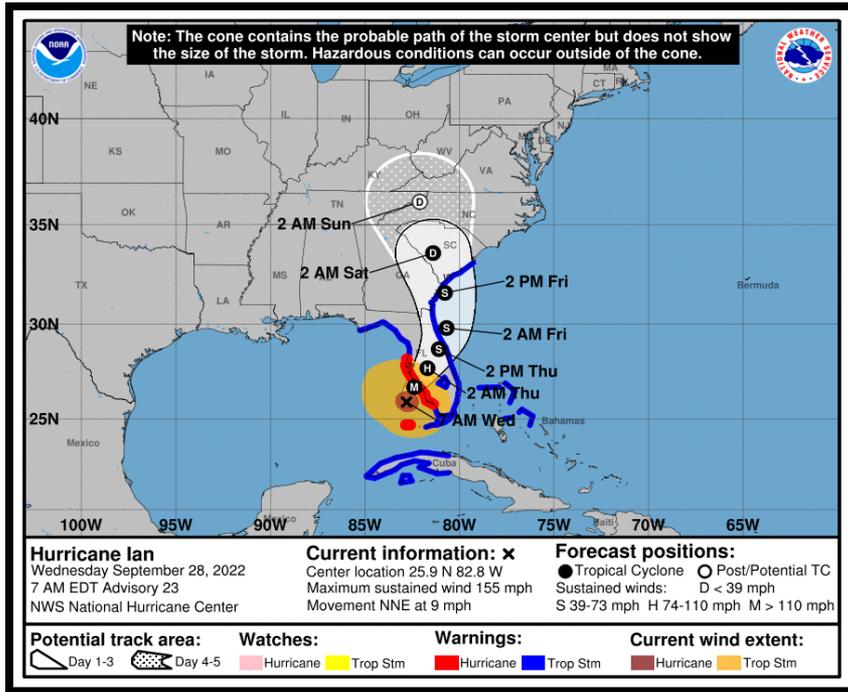
Hurricane Ian



Summary as of 8am Tuesday

- Located over western Cuba (22.6N 83.6W)
- Maximum sustained winds – 125 mph
- Moving north at 12 mph
- Minimum Central Pressure – 950mb

Hurricane Ian



NC impacts to begin as early as Friday

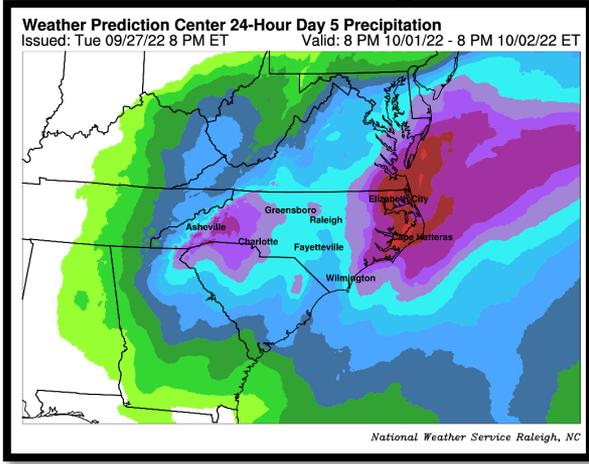
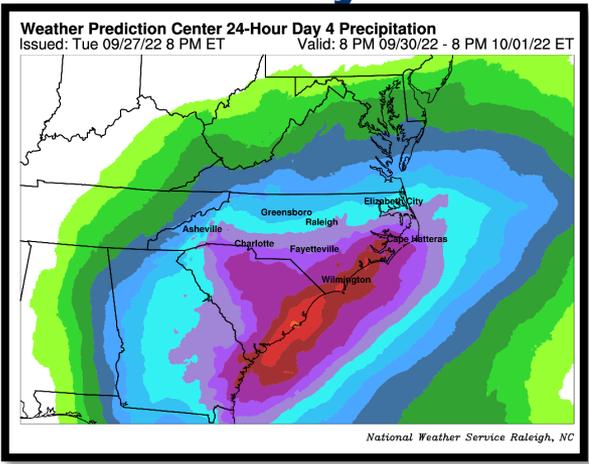
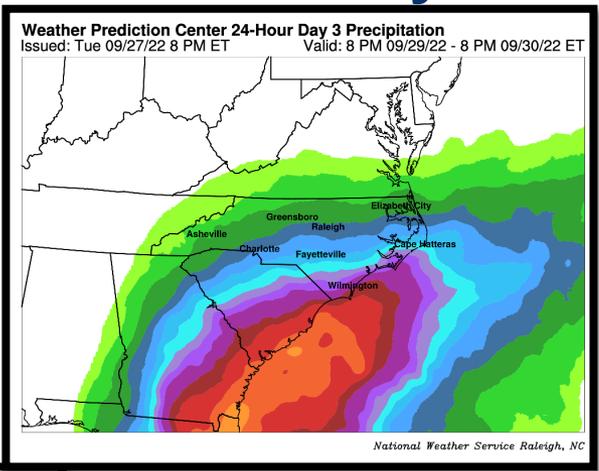
- Hurricane Ian has strengthened into a major hurricane as it made landfall in western Cuba.
- Beyond Thursday, uncertainty regard to the late week track and intensity remains high.
- Impacts to North Carolina are expected through the weekend
- Given the high uncertainty, do not focus on the storm center's forecast track (black dots). Instead, expect and prepare for impacts to occur within and outside the cone/hatched area.

Precipitation Forecasts

Thursday

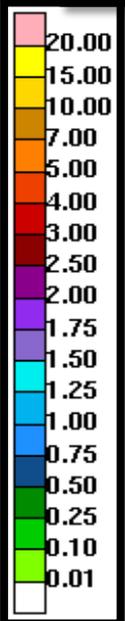
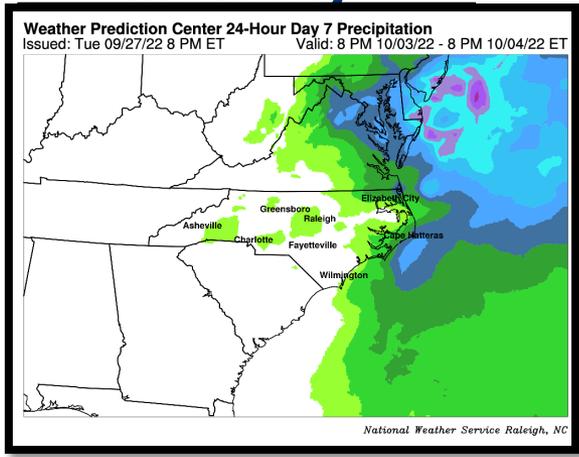
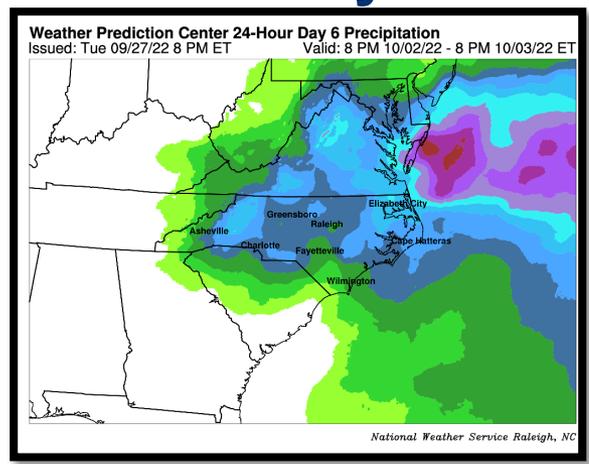
Friday

Saturday

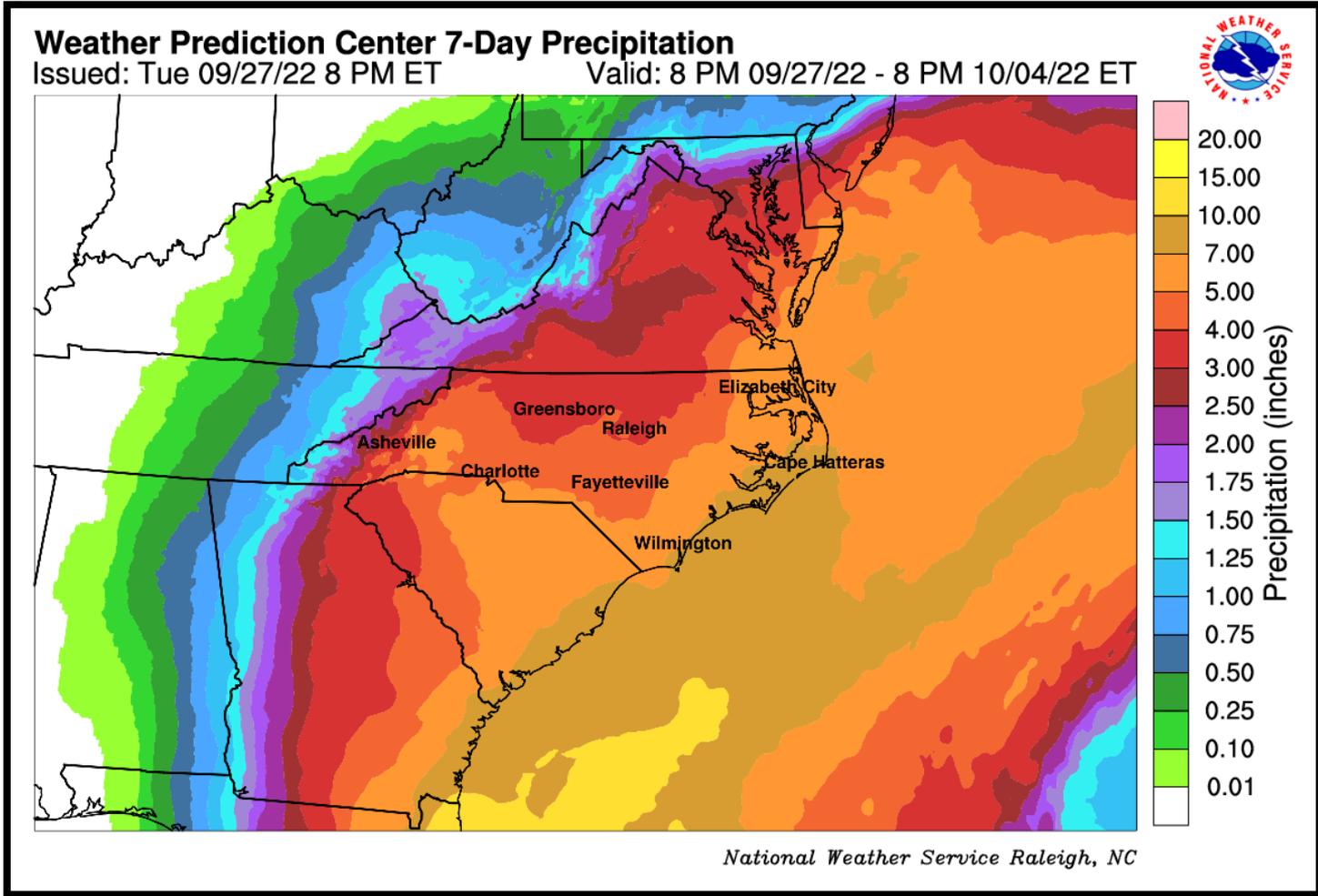


Sunday

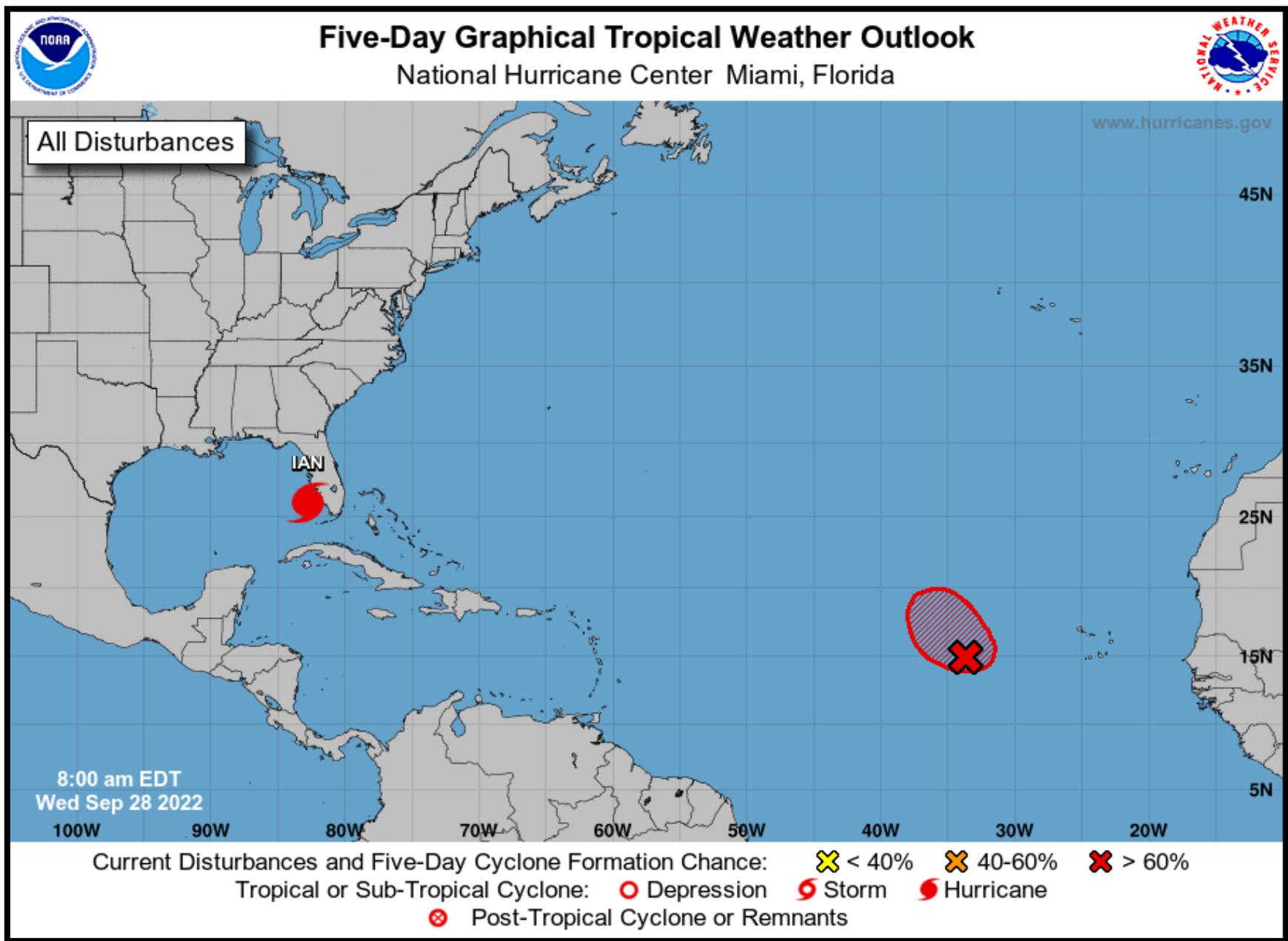
Monday



Seven-Day Total Precipitation Forecast



Courtesy of the Weather Prediction Center (www.wpc.ncep.noaa.gov)

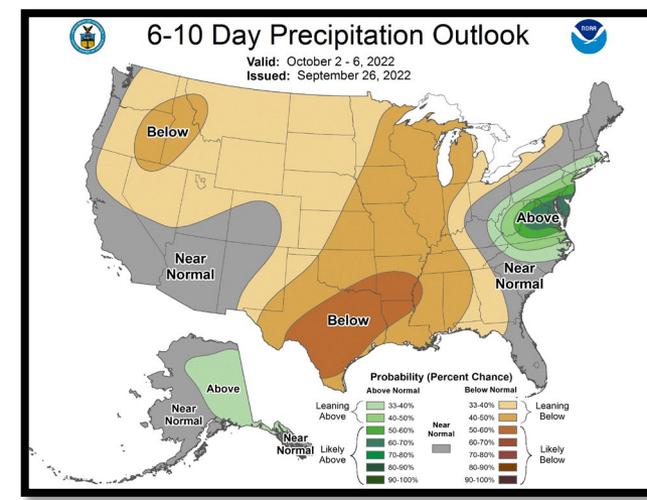
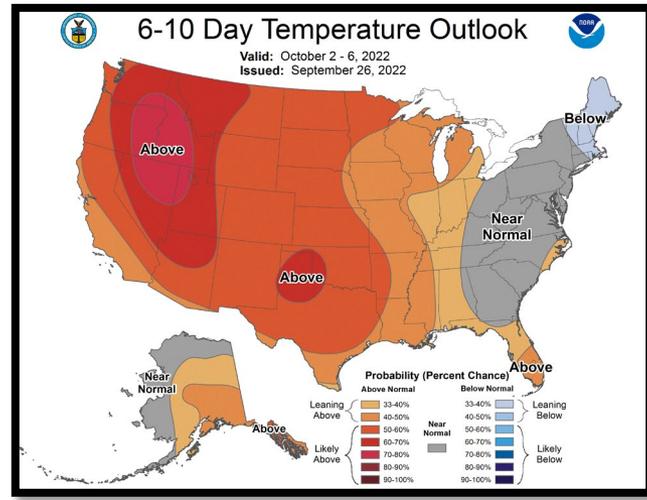


Extended Outlooks

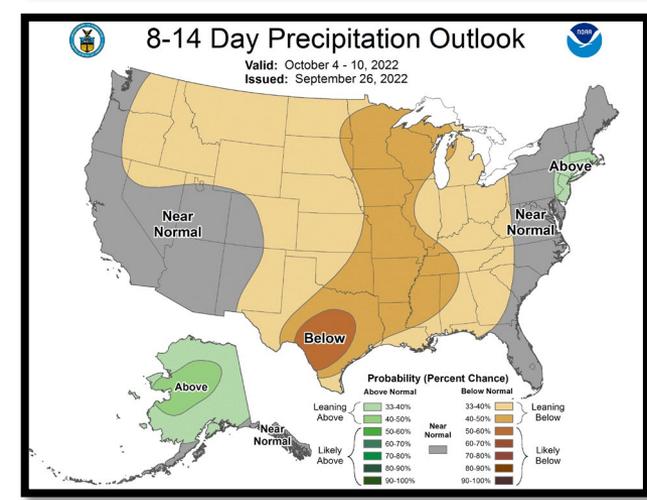
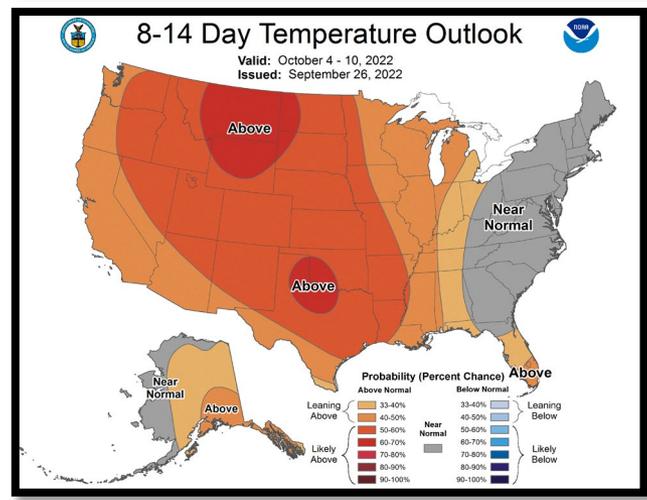
Temperature

Precipitation

6-10 Day



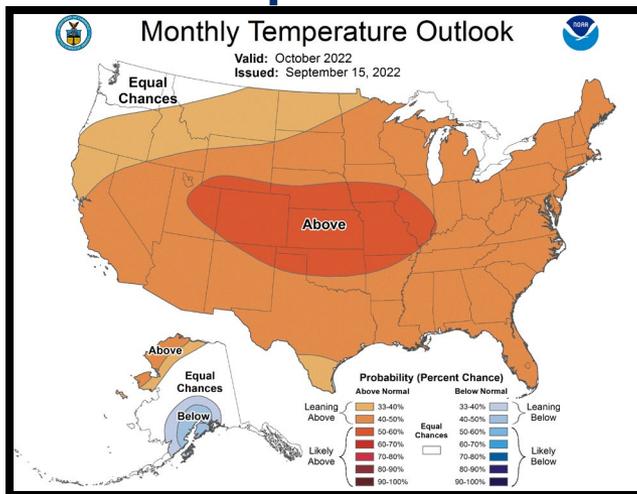
8-14 Day



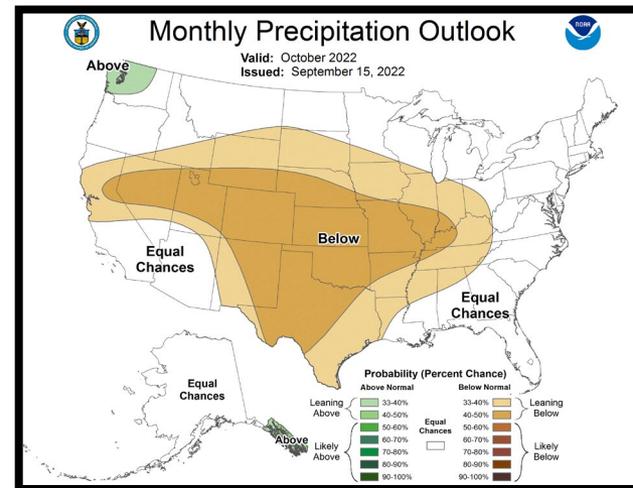
Seasonal Outlooks

One Month

Temperature

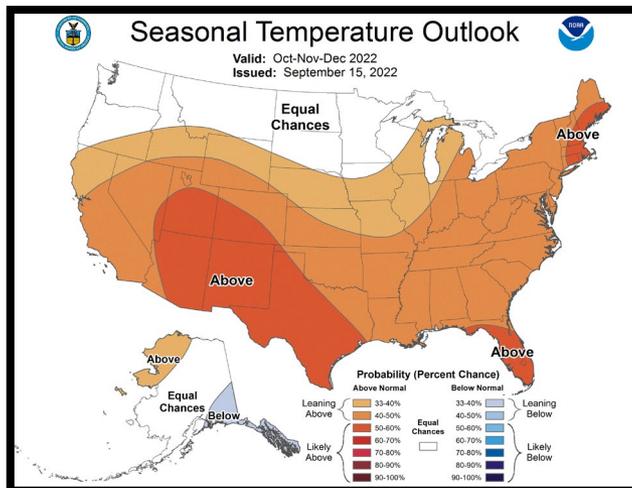


Precipitation

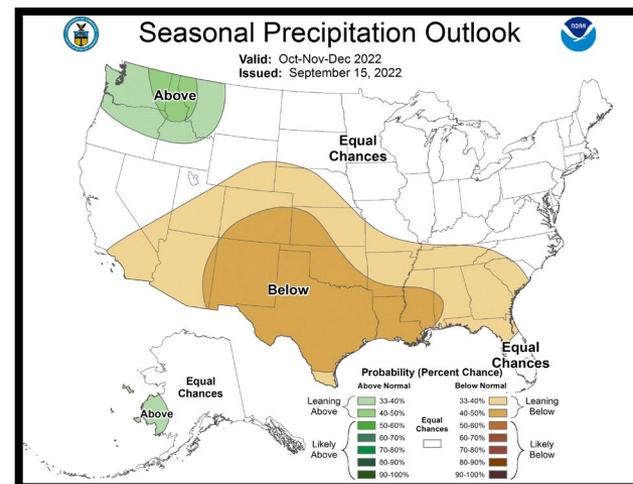


Three Months

Seasonal Temperature Outlook



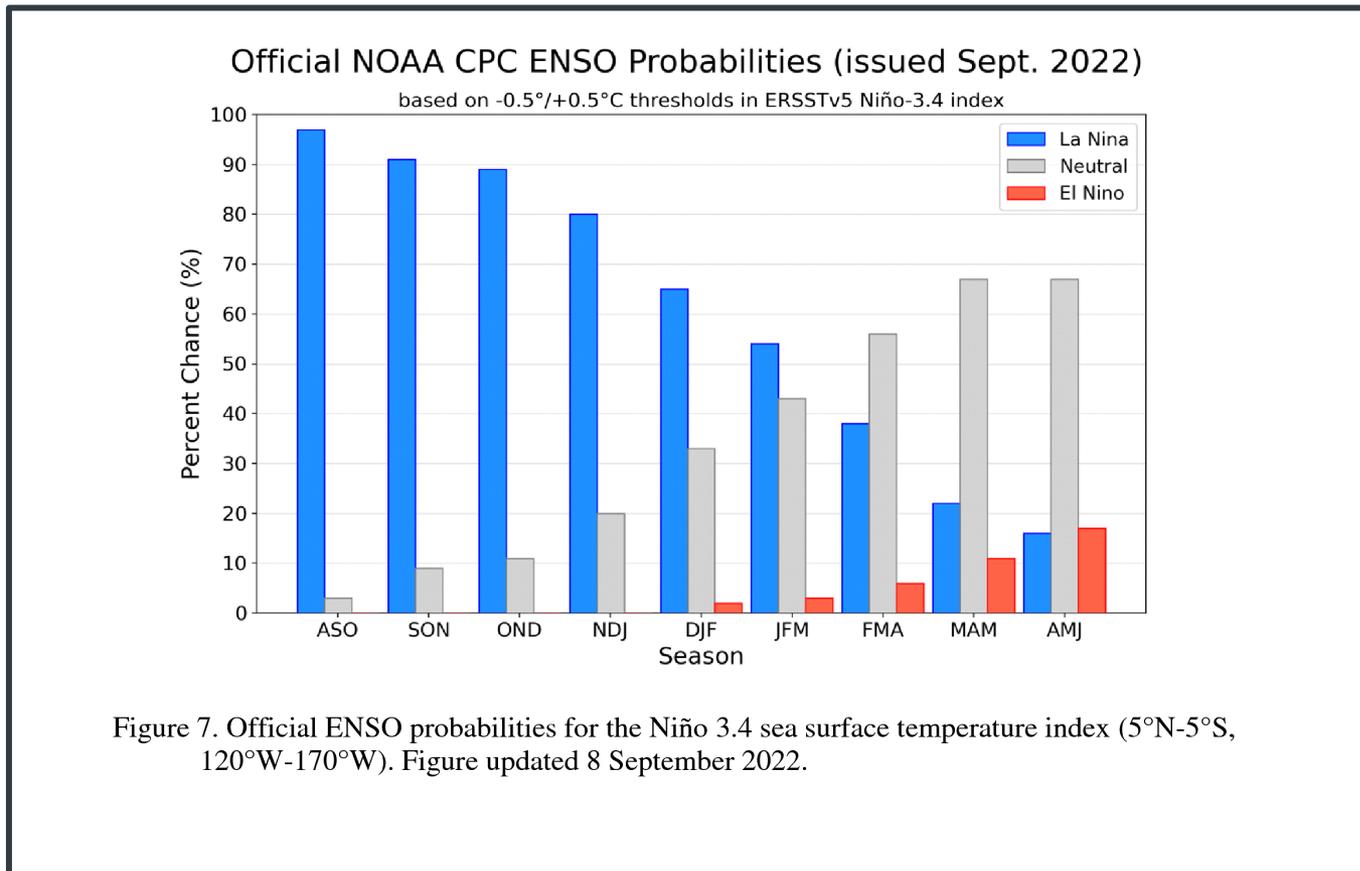
Seasonal Precipitation Outlook



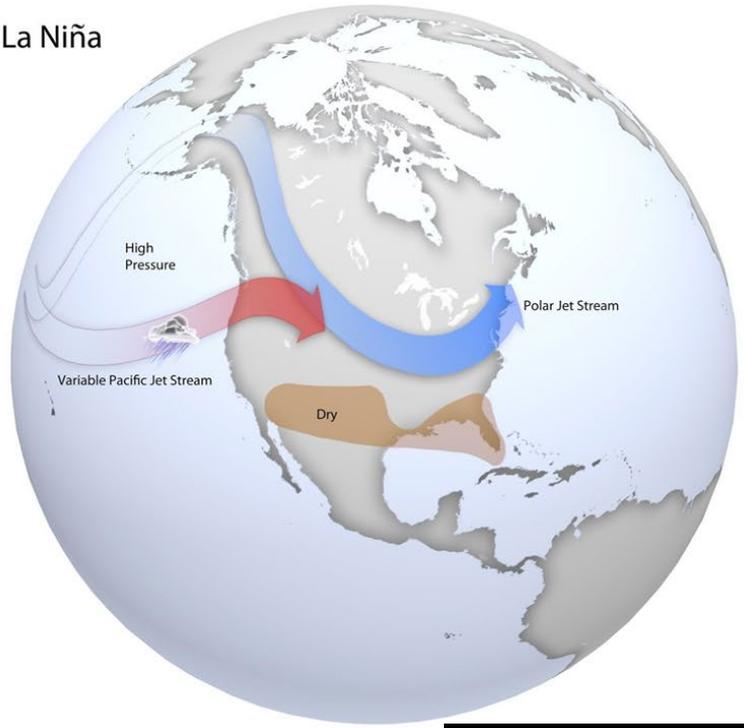
CPC/IRI Probabilistic ENSO Outlook

Updated: 8 September 2022

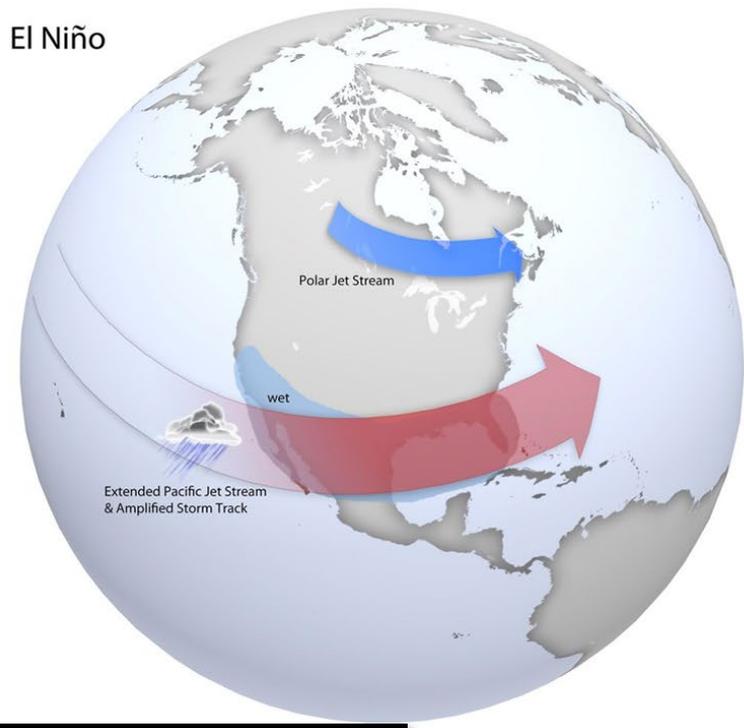
La Niña is favored to continue through Northern Hemisphere winter 2022-23, with a 91% chance in September-November, decreasing to a 54% chance in January-March 2023.



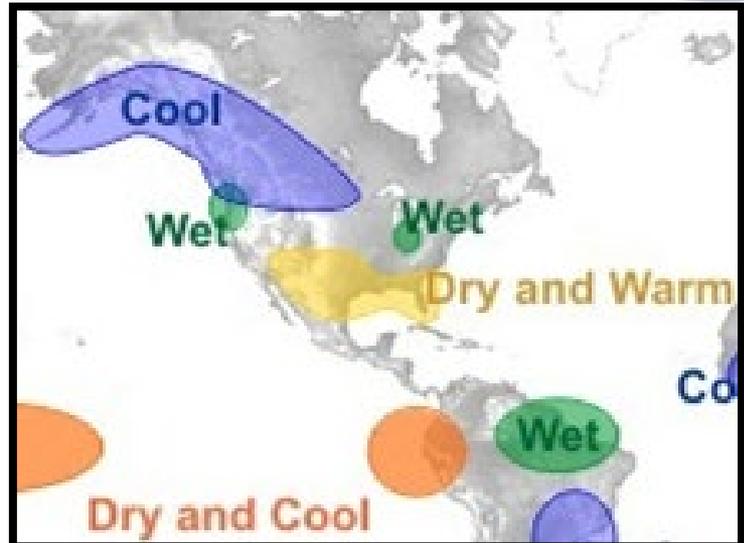
La Niña



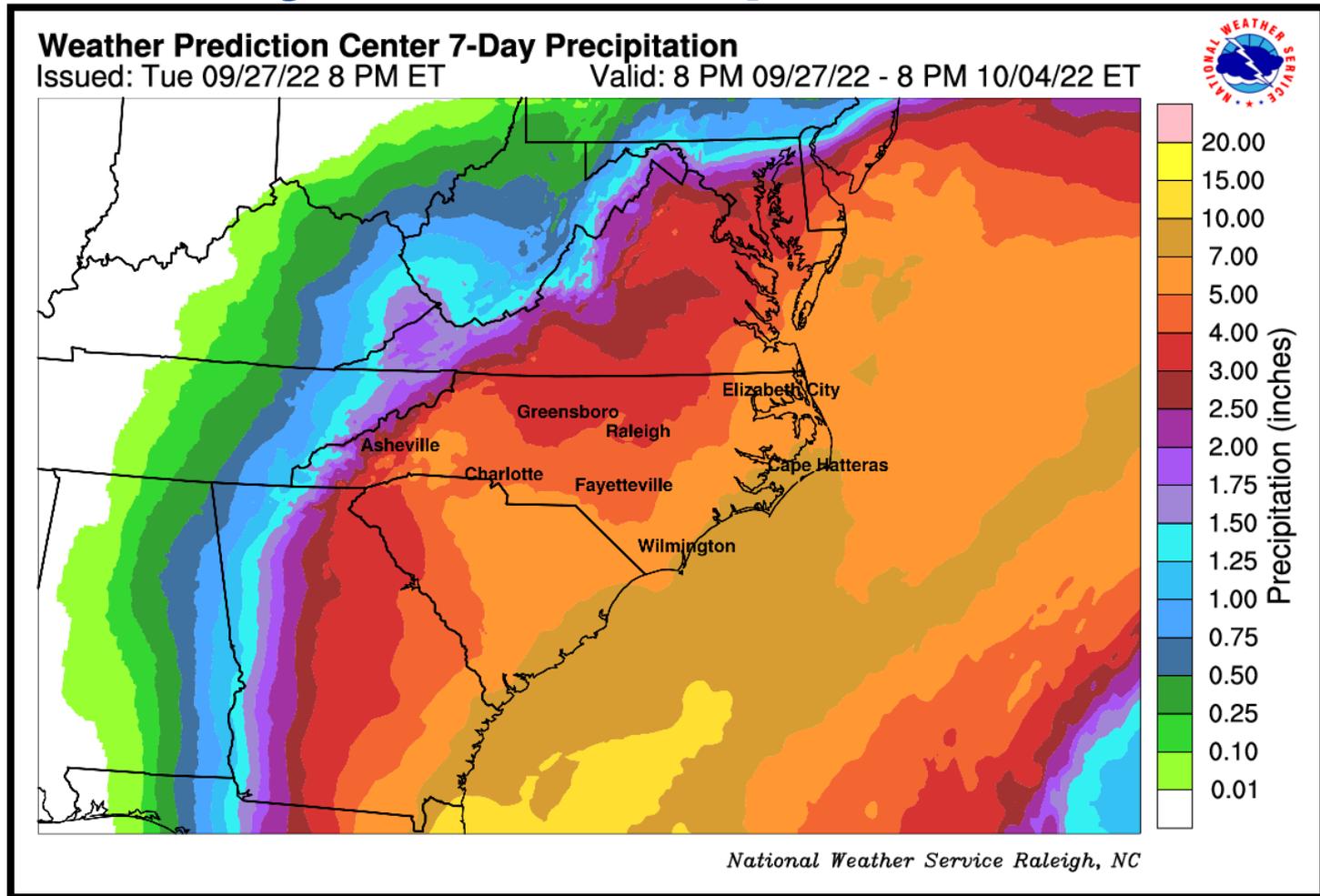
El Niño



Typical La Niña Effects:
December Through February



Seven-Day Total Precipitation Forecast



Courtesy of the Weather Prediction Center (www.wpc.ncep.noaa.gov)